

WEST Search History

DATE: Tuesday, August 05, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
			result set
	<i>DB=DWPI; PLUR=YES; OP=ADJ</i>		
L12	fr-2770775-\$ did.	1	L12
L11	de-19842070-\$ did.	1	L11
L10	de-19842071-\$ did.	1	L10
L9	de-19859722-\$ did.	1	L9
L8	de-19859723-\$ did.	1	L8
L7	L6	0	L7
	<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>		
L6	Semadeni.in. and (orange and red-brown)	1	L6
	<i>DB=EPAB,DWPI; PLUR=YES; OP=ADJ</i>		
L5	de-19813937-\$ did.	2	L5
L4	de-19826457-\$ did.	1	L4
L3	L2 and weiss.in.	2	L3
L2	kleen.in.	149	L2
	<i>DB=DWPI; PLUR=YES; OP=ADJ</i>		
L1	wo-2000021497-\$ did.	0	L1

END OF SEARCH HISTORY

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L3: Entry 1 of 2

File: EPAB

Apr 20, 2000

PUB-N0: WO000021497A1

DOCUMENT-IDENTIFIER: WO 21497 A1

TITLE: COLOURING AGENTS WITH ENZYMES

PUBN-DATE: April 20, 2000

INVENTOR-INFORMATION:

NAME	COUNTRY
SAETTLER, ANDREA	DE
KLEEN, ASTRID	DE
WEISS, ALBRECHT	DE
ROSE, DAVID	DE

INT-CL (IPC): A61 K 7/13

EUR-CL (EPC): A61K007/02; A61K007/13

ABSTRACT:

CHG DATE=20001128 STATUS=O>The invention relates to colouring agents for colouring fibres containing keratin. The inventive agents contain at least one colorant intermediate product, a choline-based oxidase system and at least one peroxidase, and are characterised by a good colouring action and in that they are gentle on hair.

[Full Text](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [NMC](#) | [Draw Desc](#) | [Image](#)**2. Document ID: JP 2002527370 W DE 19847276 A1 WO 200021497 A1 AU 200022545
A EP 1121091 A1**

L3: Entry 2 of 2

File: DWPI

Aug 27, 2002

DERWENT-ACC-NO: 2000-330058

DERWENT-WEEK: 200271

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TITLE: Oxidative dyeing composition for keratin fibers, especially human hair, comprising dye precursor(s), choline-based oxidase system and peroxidase, giving good dyeings without damaging fibers or skin

INVENTOR: KLEEN, A; ROSE, D ; SAETTLER, A ; WEISS, A

PRIORITY-DATA: 1998DE-1047276 (October 14, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002527370 W	August 27, 2002		044	A61K007/13
DE 19847276 A1	April 20, 2000		018	A61K007/13
WO 200021497 A1	April 20, 2000	G	000	A61K007/13
AU 200022545 A	May 1, 2000		000	A61K007/13
EP 1121091 A1	August 8, 2001	G	000	A61K007/13

INT-CL (IPC): A61 K 7/13; C12 S 11/00; D06 P 3/08

ABSTRACTED-PUB-NO: DE 19847276A

BASIC-ABSTRACT:

NOVELTY - A composition (A) for dyeing keratin fibers contains at least one dye precursor, an oxidase system based on choline and at least one peroxidase

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method for dyeing keratin fibers, involving application of (A), preferably after pre-incubation of the oxidase system for 30 minutes at 37 deg. C.

USE - For dyeing keratin fibers (claimed), especially human hair but also e.g. furs, wool or feathers. Hair dyeing may be combined with other treatments, e.g. shampooing or application of active agents such as anti-dandruff agents, vitamins or aminoacids.

ADVANTAGE - (A) has a good dyeing performance (e.g. giving better intensity, gloss and fastness properties than prior art enzymatic dyeing systems), while simultaneously showing good fiber and skin protective and care properties (whereas chemical oxidant systems may damage the fibers and/or skin).

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments] [KMC] [Drawn Desc] [Clip Img] [Image]

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Documents

2

Display Format:

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.**

1. Document ID: DE 19826457 A1 AU 9945064 A WO 9965891 A1

L4: Entry 1 of 1

File: DWPI

Dec 16, 1999

DERWENT-ACC-NO: 2000-063616

DERWENT-WEEK: 200024

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TITLE: Novel 2,4-diaminophenol derivatives useful as couplers in oxidation dyes, especially for hair

INVENTOR: AKRAM, M; KLEEN, A ; WOLFF, W

PRIORITY-DATA: 1998DE-1026457 (June 13, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19826457 A1	December 16, 1999		009	C07D309/06
AU 9945064 A	January 5, 2000		000	C07D309/06
WO 9965891 A1	December 23, 1999	G	000	C07D309/06

INT-CL (IPC): A61 K 7/13; C07 C 215/76; C07 C 217/82; C07 D 309/06; D06 P 3/10

ABSTRACTED-PUB-NO: DE 19826457A

BASIC-ABSTRACT:

NOVELTY - Novel 2,4-diaminophenol derivatives and their salts which can be used as couplers with most known developers in oxidation dyes to give brilliant colors have the phenolic OH group etherified with a ring substituent linked to the O atom via a 1-4C alkylene group.

DETAILED DESCRIPTION - Novel 2,4-diaminophenol derivatives and their salts are of formula (I):

R1 = (CH₂)_nX;

n = 1-4;

X = (a) an optionally unsaturated, aromatic 6-membered ring or (b) an optionally unsaturated 7-membered ring with up to 2 S or O atoms as well as up to 3 N atoms, with the proviso that rings (a) have at least 3C atoms and rings (b) have at least 4C atoms;

R2 - R5 = H, 1-4C alkyl or monohydroxyalkyl, 2-4C dihydroxyalkyl, aminoalkyl or haloalkyl, 3 or 4C trihydroxyalkyl or 2-4C aminoalkyl substituted at N by 1 or 2 Me, Et or hydroxyethyl groups, with the proviso that at least 1 of R2 - R5 = H; and

R6 = H, Me, Et, 1-3C monohydroxy or halogen

INDEPENDENT CLAIMS are also included for:

(i) The specific compound 1-(tetrahydropyran-2-yl-methoxy)-2,4-diaminobenzene (IA); and

(ii) An oxidative dye for keratin fibers which contains an oxidative dye precursor

and (I).

USE - (I) are used as coupler components in oxidative hair dyes.

ADVANTAGE - (I) are obtained via substituted 2,4-dinitrobenzenes by conventional methods and hair dyes containing them give results combining high brilliance and high uniformity with light-, perspiration- and wash-fastness. They can be used with most known developers and are free of the limitations associated with the 2,4-diaminophenyltetrahydrofuran 1 ether couplers of DE3516906

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments] [KDDC] [Drawn Deco] [Clip Img] [Image]

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Terms	Documents
de-19826457-\$ did	1

Display Format: [-] [Change Format](#)

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 2 of 2 returned.****1. Document ID: DE 19813937 C1**

L5: Entry 1 of 2

File: EPAB

Sep 16, 1999

PUB-N0: DE019813937C1

DOCUMENT-IDENTIFIER: DE 19813937 C1

TITLE: Oxidation hair dye giving intense orange to red-brown shades

PUBN-DATE: September 16, 1999

INVENTOR-INFORMATION:

NAME

COUNTRY

BRAUN, HANS-JUERGEN

CH

SEMADENI, PASCAL ANDRE

CH

INT-CL (IPC): A61 K 7/13; D06 P 1/32; D06 P 3/08

EUR-CL (EPC): D06P001/32; A61K007/13, A61K007/13 , A61K007/13 , A61K007/13 ,
D06P003/08

ABSTRACT:

CHG DATE=20000103 STATUS=0>Hair dye based on a developer/coupler combination contains at least one nitrobenzene or nitropyridine derivative (I). The hair dye contains at least one nitrobenzene or nitropyridine derivative of formula (I): Q = C or N; R1 = NO2; R2 = H or NO2; R3 = H, CH(CN)COOEt or NH2; R4 = 2,2-dimethyl-4,6-dioxo-1,3-dioxolan-5-yl or CHR5R6; R5 = CN or COOEt; R6 = CN, COMe, CONH2 or COOEt; provided that R3 is in the 5 position when Q = C or in the 6 position when Q = N; and R4 is in the 1 position when Q = C or in the 2 position when Q = N; and either R1 is in the 4 position when Q = C and R2 = H, or R1 is in the 4 position and R2 is in the 2 position when Q = C and R2 = NO2, or R1 is in the 3 or 5 position when Q = N and R2 = H, or R1 is in the 3 position and R2 is in the 5 position when Q = N and R2 = NO2.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMC](#) | [Draws](#) | [Detc](#) | [Image](#)**2. Document ID: DE 19813937 C1**

L5: Entry 2 of 2

File: DWPI

Sep 16, 1999

DERWENT-ACC-NO: 1999-519655

DERWENT-WEEK: 199944

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Oxidation hair dye giving intense orange to red-brown shades

INVENTOR: BRAUN, H; SEMADENI, P A

PRIORITY-DATA: 1998DE-1013937 (March 28, 1998)

PATENT-FAMILY:

PUB-NO <u>DE 19813937 C1</u>	PUB-DATE September 16, 1999	LANGUAGE	PAGES	MAIN-IPC
			038	A61K007/13

INT-CL (IPC): A61 K 7/13; D06 P 1/32; D06 P 3/08

ABSTRACTED-PUB-NO: DE 19813937C

BASIC-ABSTRACT:

NOVELTY - Hair dye based on a developer/coupler combination contains at least one nitrobenzene or nitropyridine derivative (I)

DETAILED DESCRIPTION - The hair dye contains at least one nitrobenzene or nitropyridine derivative of formula (I):

Q = C or N;

R1 = NO₂;

R2 = H or NO₂;

R3 = H, CH(CN)COOEt or NH₂; R4 = 2,2-dimethyl-4.6-dioxo-1,3-dioxan-5-yl or CHR5R6;

R5 = CN or COOEt;

R6 = CN, COMe, CONH₂ or COOEt; provided that R3 is in the 5 position when Q = C or in the 6 position when Q = N; and R4 is in the 1 position when Q = C or in the 2 position when Q = N; and either R1 is in the 4 position when Q = C and R2 = H, or R1 is in the 4 position and R2 is in the 2 position when Q = C and R2 = NO₂, or R1 is in the 3 or 5 position when Q = N and R2 = H, or R1 is in the 3 position and R2 is in the 5 position when Q = N and R2 = NO₂.

USE - For dyeing human hair.

ADVANTAGE - Inclusion of (I) provides fashionable orange to red-brown shades with high intensity.

[full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments]

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de-19813937-\$ did.	2

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: DE 19859723 A1 AU 200019806 A WO 200038636 A1

L8: Entry 1 of 1

File: DWPI

Jun 29, 2000

DERWENT-ACC-NO: 2000-483811

DERWENT-WEEK: 200050

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TITLE: Color for keratinous and other fibers, especially human hair, contains nitroisatin compound and amine, nitrogen heterocyclic compounds, oligopeptides or phenol and/or methin-active compounds

INVENTOR: HOEFFKES, H; MOELLER, H ; OBERKOBUSCH, D

PRIORITY-DATA: 1998DE-1059723 (December 23, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19859723 A1	June 29, 2000		011	A61K007/13
AU 200019806 A	July 31, 2000		000	A61K007/13
WO 200038636 A1	July 6, 2000	G	000	A61K007/13

INT-CL (IPC): A61 K 7/13

ABSTRACTED-PUB-NO: DE 19859723A

BASIC-ABSTRACT:

NOVELTY - Color for keratinous fibers, especially human hair, contains (A) a nitroisatin compound (I) and (B) compound(s) with primary or secondary amino or hydroxyl groups selected from aliphatic or aromatic amines, nitrogen heterocyclic compounds, oligopeptides of 2-9 amino-acids and aromatic hydroxyl compounds and/or CH-active compound and optionally the reaction product of (A) and (B).

DETAILED DESCRIPTION - Color for keratinous fibers, especially human hair, contains a combination of (A) a nitroisatin compound of formula (I) and (B1) compound(s) with primary or secondary amino groups or hydroxyl groups selected from primary or secondary aliphatic or aromatic amines, nitrogen heterocyclic compounds, oligopeptides of 2-9 amino-acids and aromatic hydroxyl compounds and/or (B2) CH-active compound and optionally the reaction product of (A) and (B).

R1 = hydrogen (H), 1-4 carbon (C) (hydroxy)alkyl, 1-4 C alkenyl, 1-4 C alkoxy, optionally N-substituted amino-(1-4 C)-alkyl, or optionally substituted aryl-(1-4 C)-alkyl; and

R2, R3 = H, halogen, 1-4 C (hydroxy)alkyl, 1-4 C alkoxy, hydroxyl (OH), carboxyl, sulfo, nitro, optionally mono- or di-(1-4 C)-alkyl-substituted amino or 1-4 C acyl or together form a condensed aromatic ring

An INDEPENDENT CLAIM is also included for the use of the combination as a coloring component in hair colors.

USE - The combinations of compounds (A) and (B) are used in a process for coloring keratinous fibers, especially human hair, in which a color containing the combination and usual cosmetic ingredients is applied to the fibers and left for some time, usually about 30 minutes, then rinsed off or washed off with shampoo (all

20

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: DE 19717282 A1 JP 2001521559 W WO 9847472 A1 AU 9873353 A EP 977545 A1 US 6203579 B1

L8: Entry 1 of 1

File: DWPI

Oct 29, 1998

DERWENT-ACC-NO: 1998-569623

had

DERWENT-WEEK: 200203

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TITLE: Use of isatin derivatives to dye keratinous fibres e.g. human hair - optionally with amines, hydroxy compounds, amino acids or nitrogen-containing heterocyclic compounds and optionally with oxidation agents

INVENTOR: HOFFKES, H; MEINIGKE, B ; MOLLER, H ; ROSE, D ; HOEFFKES, H ; MOELLER, H

PRIORITY-DATA: 1997DE-1017282 (April 24, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19717282 A1	October 29, 1998		012	A61K007/13
JP 2001521559 W	November 6, 2001		037	C09B057/00
<u>WO 9847472 A1</u>	October 29, 1998	G	000	A61K007/13
AU 9873353 A	November 13, 1998		000	A61K007/13
EP 977545 A1	February 9, 2000	G	000	A61K007/13
US 6203579 B1	March 20, 2001		000	A61K007/13

INT-CL (IPC): A61 K 7/13; C07 D 209/38; C09 B 53/00; C09 B 57/00; D06 P 3/04; D06 P 3/08

ABSTRACTED-PUB-NO: DE 19717282A

BASIC-ABSTRACT:

The use of isatin derivatives of formula (I) or their salts in dyeing keratinous fibres (especially human hair) is new. R1, R2 = H, halo, OH, 1-4C alkyl, hydroxyalkyl, tert.-aminoalkyl or alkoxy, amino (optionally substituted by 1-4C alkyl or hydroxyalkyl), NO₂, carboxy or sulpho; and Y = OH, 1-4C alkoxy, amino (optionally substituted by 1-4C alkyl, 1-4C alkyl-1-4C alkoxy or carboxy-, sulpho- or hydroxy-1-4C alkyl) or a part of a 5-7-membered heterocyclic ring. Also claimed are hair-dyeing compositions containing (I) and a compound (II) with primary or secondary amino or hydroxy groups which is an aromatic or aliphatic amine, N-containing heterocyclic compound, amino acid, oligopeptide of 2-9 amino acids, aromatic hydroxy compound and/or a CH-active compound.

ADVANTAGE - (I) gives a wide range of deep, brilliant colours in the absence of oxidation agents, although oxidants such as H₂O₂ can be present. Such dyeings are of equivalent quality to those obtained with oxidation dyes.

ABSTRACTED-PUB-NO:

US 6203579B EQUIVALENT-ABSTRACTS:

The use of isatin derivatives of formula (I) or their salts in dyeing keratinous fibres (especially human hair) is new. R1, R2 = H, halo, OH, 1-4C alkyl, hydroxyalkyl, tert.-aminoalkyl or alkoxy, amino (optionally substituted by 1-4C alkyl or hydroxyalkyl), NO₂, carboxy or sulpho; and Y = OH, 1-4C alkoxy, amino

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wo-9911229-\$ did	1

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database

Database: IBM Technical Disclosure Bulletins

de-1973`400-\$ did.

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**

DATE: Tuesday, August 05, 2003 [Printable Copy](#) [Create Case](#)

Set Name **Query**
side by side

Hit Count **Set Name**
result set

DB=DWPI; PLUR=YES; OP=ADJ

<u>L6</u>	wo-9911229-\$ did.	1	<u>L6</u>
<u>L5</u>	wo-0011229a1\$ did.	0	<u>L5</u>
<u>L4</u>	de-19745292-\$ did.	1	<u>L4</u>
<u>L3</u>	de-19745354-\$ did.	1	<u>L3</u>
<u>L2</u>	de-19745356-\$ did.	1	<u>L2</u>
<u>L1</u>	de-19745355-\$ did.	1	<u>L1</u>

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Search Results - Record(s) 1 through 1 of 1 returned.

 1. Document ID: EP 873744 A2 DE 19717280 A1

L5: Entry 1 of 1

File: DWPI

Oct 28, 1998

DERWENT-ACC-NO: 1998-544424

DERWENT-WEEK: 199849

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TITLE: Use of heterocyclic carbonyl compounds for dyeing keratinous fibre, especially human hair - gives good depth of colour, grey coverage and fastness and can be used without oxidant on damaged hair or people with sensitive skin

INVENTOR: HOEFFKES, H; MEINIGKE, B ; MOELLER, H

PRIORITY-DATA: 1997DE-1017280 (April 24, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 873744 A2	October 28, 1998	G	018	A61K007/13
DE 19717280 A1	October 29, 1998		000	A61K007/13

INT-CL (IPC): A61 K 7/13; D06 P 3/04; D06 P 3/08

ABSTRACTED-PUB-NO: EP 873744A

BASIC-ABSTRACT:

The use of heterocyclic carbonyl compounds of formula Het-X-C(R1)=O (I) or the physiologically compatible salts for dyeing keratinous fibres, especially human hair, is claimed. In (I), Het = a 5-, 6- or 7-membered (un)saturated heterocycle with 1-3 hetero-atoms selected from nitrogen (N), oxygen (O) and sulphur (S), optionally with condensed benzene ring(s) and/or substituted by halogen, 1-4 carbon (C) hydroxy)alkyl, 1-4 C alkoxy, carboxy-(1-4 C)-alkyl, hydroxyl (OH), oxo, tert.-amino, nitro, carboxy or sulpho; X = a direct bond or vinylene; R1 = hydrogen (H) or 1-6 C alkyl, optionally substituted by halogen, 1-4 C alkoxy, 1-4 C acyl or hydroxy-(1-4 C)-alkyl.

Also claimed are: (i) colourants for keratinous fibres, especially human hair; and (ii) a method of colouring keratinous fibres.

USE - The colour is also useful on wool, fur, feathers and other (modified) natural and synthetic fibres, e.g. cotton, jute, sisal, linen, silk, regenerated cellulose, nitro-, (hydroxy)- or acetyl-cellulose, e.g. polyamides, polyacrylonitrile, polyurethanes and polyesters.

ADVANTAGE - (I) give a depth of colour, grey coverage and fastness at least as good as the usual oxidation hair colours. It is not essential to use an oxidant to develop the colour, which is an advantage in some cases of damaged fibres or for people with sensitive skin. The colour also has no or only very slight sensitisation potential.

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ep-873744-\$ did.	1

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: EP 873743 A2 DE 19717281 A1

L6: Entry 1 of 1

File: DWPI

Oct 28, 1998

DERWENT-ACC-NO: 1998-544423

DERWENT-WEEK: 199849

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TITLE: Benzylidene ketone compounds use for dyeing keratinous fibre, especially human hair - gives good depth of colour, grey coverage and fastness and can be used without oxidant on damaged hair or people with sensitive skin

INVENTOR: HOEFFKES, H; MEINIGKE, B ; MOELLER, H

PRIORITY-DATA: 1997DE-1017281 (April 24, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 873743 A2	October 28, 1998	G	015	A61K007/13
DE 19717281 A1	October 29, 1998		000	A61K007/13

INT-CL (IPC): A61 K 7/13; C07 C 49/213; D06 P 3/04

ABSTRACTED-PUB-NO: EP 873743A

BASIC-ABSTRACT:

The use of benzylidene ketones of formula (I) for dyeing keratinous fibres, especially human hair, is claimed; R1, R2, R3 = H, halogen, 1-4C (hydroxy)alkyl, tert.-amino-(1-4 C)-alkyl, 1-4 C alkoxy, amino (optionally substituted by 1-4 C (hydroxy)alkyl or forming the constituents of a 5-7 membered heterocycle), nitro, carboxy or sulpho; R4 = H, 1-4 C alkyl or 1-4 C acyl; R5 = 1-4 C alkyl; or R4+R5 = 1-5 C alkylene, optionally substituted by 1-4 C (hydroxy)alkyl, oxo or OH.

Also claimed are (i) colourants for keratinous fibres, especially human hair, comprising (I) and a compound (II) which has primary or secondary amino groups or OH groups and is selected from primary or secondary aliphatic or aromatic amines, N-heterocyclic compounds, amino-acids, oligopeptides of 2-9 amino-acids, aromatic OH compounds and/or CH-active compound(s); and (ii) a method of colouring keratinous fibres using a composition containing (I), (II) and other conventional ingredients which comprises applying the composition in the usual manner, leaving for a time (usually ca. 30 minutes) and then rinsing or washing with shampoo.

USE - The colour is also useful on wool, fur, feathers and other (modified) natural and synthetic fibres, e.g. cotton, jute, sisal, linen, silk, regenerated cellulose, nitro-, (hydroxy)-alkyl- or acetyl-cellulose, polyamide, polyacrylonitrile, polyurethane and polyester.

ADVANTAGE - (I) give a depth of colour, grey coverage and fastness at least as good as the usual oxidation hair colours. It is not essential to use an oxidant to develop the colour, which is an advantage in some cases of damaged fibres or for people with sensitive skin. The colour also has no or only very slight sensitisation potential.

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ep-873743-\$ did.	1

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1. Document ID: DE 19717224 A1 JP 2001524091 W WO 9847473 A1 AU 9875264 A NO 9905157 A EP 977546 A1 CZ 9903740 A3 CN 1252707 A SK 9901455 A3 BR 9809417 A AU 726113 B HU 200002707 A2

L7: Entry 1 of 1

File: DWPI

Oct 29, 1998

DERWENT-ACC-NO: 1998-569602

DERWENT-WEEK: 200204

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TITLE: Unsaturated aldehyde compounds use for dyeing keratinous fibre, especially human hair - gives good depth of colour, grey coverage and fastness and can be used without oxidant on damaged hair or people with sensitive skin

INVENTOR: HOFFKES, H; MOLLER, H ; HOEFFKES, H ; MOELLER, H

PRIORITY-DATA: 1997DE-1017224 (April 24, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19717224 A1	October 29, 1998		012	A61K007/13
JP 2001524091 W	November 27, 2001		033	A61K007/13
<u>WO 9847473 A1</u>	October 29, 1998	G	000	A61K007/13
AU 9875264 A	November 13, 1998		000	A61K007/13
NO 9905157 A	October 22, 1999		000	A61K000/00
EP 977546 A1	February 9, 2000	G	000	A61K007/13
CZ 9903740 A3	April 12, 2000		000	A61K007/13
CN 1252707 A	May 10, 2000		000	A61K007/13
SK 9901455 A3	May 16, 2000		000	A61K007/13
BR 9809417 A	June 13, 2000		000	A61K007/13
AU 726113 B	November 2, 2000		000	A61K007/13
HU 200002707 A2	December 28, 2000		000	A61K007/13

INT-CL (IPC): A61 K 0/00; A61 K 7/13; C07 C 47/21; D06 P 3/04; D06 P 3/08

ABSTRACTED-PUB-NO: DE 19717224A

BASIC-ABSTRACT:

The use of unsaturated aldehydes (I) of formula (IA) or (IB) and the corresponding mono-, bis- or omega -alkoxyacetals for dyeing keratinous fibres, especially human hair, is claimed; in which R1-4 = hydrogen (H), halogen, 1-4C alkoxy, 1-4C alkyl, aryl or 1-4C alkoxy-(1-4 C)-alkyl; n = 1 or 2; if n = 1, R1R2, R1R3, R2R3 or R2R4 may = a group completing a 5-7-membered ring. Also claimed are (i) colours containing (I) and (ii) a method of colouring keratinous fibres.

USE - The colour is also useful on wool, fur, feathers and other (modified) natural and synthetic fibres, e.g. cotton, jute, sisal, linen, silk, regenerated cellulose, nitro-, (hydroxy)- or acetyl-cellulose, e.g. polyamides, polyacrylonitrile, polyurethanes and polyesters.

ADVANTAGE - (I) give a depth of colour, grey coverage and fastness at least as good as the usual oxidation hair colours. It is not essential to use an oxidant to

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1. Document ID: EP 873745 A2 DE 19717222 A1

L4: Entry 1 of 1

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TITLE: Hair dye compositions containing keto- and/or aldehyde compound as colour forming component - together with compound with primary or secondary amino groups or hydroxy groups and colour strengthening agent

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PRIORITY-DATA: 1997DE-1017222 (April 24, 1997)

PATENT-FAMILY:

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DE 19717222 A1	October 29, 1998		000	A61K007/13

INT-CL (IPC): A61 K 7/13; D06 P 3/04; D06 P 3/08

ABSTRACTED-PUB-NO: EP 873745A

BASIC-ABSTRACT:

A hair dye composition(s) for dyeing keratinic fibres, especially human hair, contains: (A) one or more keto- and/or aldehyde compounds which colour keratinic fibres either alone or in the presence of a compound of type (B); (B) at least one compound with primary or secondary amino groups or hydroxy groups selected from primary and secondary aliphatic or aromatic amines, N-containing heterocyclic compounds, aminoacids, oligopeptides made up of 2-9 aminoacids and aromatic hydroxy compounds, and/or at least one CH-active compound; and (C) a colour strengthening agent (booster) selected from piperidine, pyridine, imidazole, pyrrolidine, pyrrolidone, pyrazole, triazole, piperazidine, derivatives of these and their salts; provided that (B) and (C) are different.

USE - The composition is useful for dyeing keratinic fibres in the form of hair, wool and pelts, especially human hair.

ADVANTAGE - The compositions are virtually a non-irritant to the skin. A wide range of colour shades can be formulated. The colours produced are at least as good as those formed by conventional oxidation dye formulations with respect to colour depth, fastness and covering power over grey without it being absolutely necessary to include oxidising agents such as H2O2 into the dye mix.

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